

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

May 2009

BUDGET ACTIVITY 5 - System Development and Demonstration		PE NUMBER AND TITLE 0604805A - Command, Control, Communications Systems - Eng Dev			
COST (In Thousands)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	9188	9762	88995	Continuing	Continuing
485 Info Standards Interop Eng/Joint Interop Cert	4612	4745	9809	Continuing	Continuing
589 ARMY SYS ENGINEERING & WARFIGHTING TECH SUP	4576	5017	79186	Continuing	Continuing

A. Mission Description and Budget Item Justification: This Program Element (PE) supports efforts to develop interoperability of Army programs and products, horizontally and vertically for the digitized battlefield. Project D485 supports Information Standards Interoperability Engineering and Joint Interoperability Certification. It provides the critical elements of the Army/Joint Technical Architecture, the mandated standards and communication protocols for Army/Joint ground and air operations, and crucial certification test tools to evaluate systems' interoperability for the Warfighter in support of the Vice Chief of Staff of the Army (VCSA) and Army Acquisition Executive (AAE). It also provides Joint certification testing and certification recommendations to the Joint Chiefs of Staff (JCS) for Army systems. This Army-wide effort directly supports the management, oversight, development, maintenance, and interoperability at the Army enterprise level C4I/IT (Command, Control, Communications, Computers, and Intelligence/Information Technology) architecture efforts required to implement Unit Set Fielding (USF), Software Blocking (SWB) Policy and Army Knowledge Management. Project D589 Army Systems Engineering (ASE) & Warfighter Technical Support provides essential technology expertise on all Systems Engineering and Technical Architecture (SE/TA) matters critical to gain Information Dominance and foster interoperability among all Army systems.

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BUDGET ACTIVITY
5 - System Development and Demonstration

PE NUMBER AND TITLE
0604805A - Command, Control, Communications Systems - Eng Dev

<u>B. Program Change Summary</u>	FY 2008	FY 2009	FY 2010
Previous President's Budget (FY 2009)	9942	9795	10083
Current BES/President's Budget (FY 2010)	9188	9762	88995
Total Adjustments	-754	-33	78912
Congressional Program Reductions		-33	
Congressional Rescissions			
Congressional Increases			
Reprogrammings	-476		
SBIR/STTR Transfer	-278		
Adjustments to Budget Years			78912

Change Summary Explanation: Funding - FY 2010 funding increase in support of the Information Standards Interoperable Engineering/Joint Interoperable Certification program, the Army Systems Engineering & Warfighting Technology Support program and the Joint Battle Command - Platform (JBC-P).

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May 2009

BUDGET ACTIVITY 5 - System Development and Demonstration		PE NUMBER AND TITLE 0604805A - Command, Control, Communications Systems - Eng Dev			PROJECT 485
COST (In Thousands)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	Cost to Complete	Total Cost
485 Info Standards Interop Eng/Joint Interop Cert	4612	4745	9809	Continuing	Continuing

A. Mission Description and Budget Item Justification: Focus for this project is to support the engineering or evaluation of commercially-available information technology (IT) tools to develop architecture products Information Technology based Command, Control, Computers, and Communications (C4/IT) systems such as Applications Program Interfaces for Weapons Systems. A significant effort will be on building Army (consistent with DoD) C4/IT technical standards-compliant Army data repositories that are web-accessible but secure. These repositories will be consistent with DoD standards and policies and virtually appear to be a single repository for Army C4/IT architecture products.

To support the Army Vice Chief of Staff (VCSA) and the Army Chief Information Officer/G6, as cited in the AEA Master Plan, this initiative fulfills the Clinger-Cohen Act mandate of developing sound integrated Information Technology (IT) architectures and the Army's Software Blocking Policy. The increased combat power of the Future Force will be dependent on the information superiority of network & knowledge centric warfare and the ability of systems to be fully -interoperable as a member of the joint, multinational, interagency team as well as emerging Future Force (FF) C4ISR (Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance) Systems. It identifies and reduces interoperability issues earlier in the life cycle by intra-Army/FF/Joint/combined experiments and assessments, and through the establishment & sustainment of common standards. This Army wide effort directly supports the management, oversight, development, maintenance, and interoperability of the Army enterprise level C4I/IT architecture efforts required to implement Unit Set Fielding, Software Blocking and Army Enterprise Architecture (AEA). Specifically, this project resources the Army's messaging standards conformance authority in assessing compliance with the Defense Information Systems Repository (DISR), in meeting the warfighter information exchange requirements and in facilitating their interoperability. It also resources, in accordance with the DISR, the development and maintenance of the following information standards: Variable Message Format (VMF) & Combat Net Radio (CNR) protocol, which support Army/Joint ground operations; Tactical Digital Information Links (TADILs), which support Air Defense operations; and US Message Text Format (USMTF), which support Intel and Commanders operations. It provides the Army's lead for configuration management functions of these standards and test tools at both Army and Joint levels. This project resources the Army participation in joint/allied messaging certification testing & configuration management processes. This project also resources the development and fielding of a suite of four (4) crucial tools which are used throughout the entire Army. These tools which are currently under development will provide the ideal means to: a) validate JTA-A critical messaging and protocol standards; b) improve systems interoperability; c) verify/certify correct system implementations and interpretation to JTA-A; d) sustain/support digitization and transition of fielded systems; e) support Software Blocking and interoperability testing; f) provide Legacy AEA interoperability with Future Combat System (FCS) command and control systems. These crucial tools are critical to the JTA-A Compliance, Certification Testing mission & Interoperability programs. The task also supports the Army's transformation campaign while mitigating interoperability issues resulting in reducing cost & program slippages. This project also provides the Configuration Management & Control for the Software Blocking (SWB)/USF (Unit Set Fielding).

<u>Accomplishments/Planned Program:</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Develop and update architecture standards and protocols necessary to ensure C4ISR systems interoperability.	1348	1368	2989
Engineer, develop & publish Army Warfighter Information Standards (i.e. XML-USMTF/VMF, Wireless XML, database exchange, etc...) incorporating DoD standards requirements.	977	968	2006

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BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT	
5 - System Development and Demonstration	0604805A - Command, Control, Communications Systems - Eng Dev	485	
Identify, analyze, and provide solutions to gaps in technical architecture standards requirements.	1049	1045	2206
Develop and engineer Army Net-Centric Enterprise Service standards and protocols supporting OSD Global Information Grid messaging requirements and serve as Army focal point for messaging working group.	1106	1101	2307
Knowledge Center Development - Build & update as necessary access to website repositories for key policies, directives, and architecture products.	132	130	301
Small Business Innovative Research/Small Business Technology Transfer Programs		133	
Total	4612	4745	9809

B. Other Program Funding Summary Not applicable for this item.

C. Acquisition Strategy The efforts funded in this project are non-system specific, interoperability experimentation, evaluation and certification across multiple systems. The contractual efforts/services are obtained from existing competitive omnibus support service contracts.

ARMY RDT&E COST ANALYSIS (R3)

May 2009

BUDGET ACTIVITY			PE NUMBER AND TITLE							PROJECT		
5 - System Development and Demonstration			0604805A - Command, Control, Communications Systems - Eng Dev							485		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Labor	In House	USACECOM , Fort Monmouth, NJ	27746	4612		4745		9809		Cont.	Cont.	
Travel	In House	USACECOM, Fort Monmouth, NJ	457							Cont.	457	
Subtotal:			28203	4612		4745		9809		Cont.	Cont.	
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Development Support	C/CPFF	Arinc, Fort Monmouth, NJ	5699								5699	
Development Support	C/CPAF	Telos, Fort Monmouth, NJ	4581								4581	
Development Support	C/CPFF	CSC, Fort Monmouth, NJ	1963								1963	
Development Support	C/CPFF	C3I, Fort Monmouth, NJ	1374								1374	
Development Support	SS/CPFF	Mitre, Fort Monmouth, NJ	280								280	
Development Support/ Army Enterprise Applications Architecture	C/T&M	Binary, Ft. Belvoir, VA	46								46	
Development Support- Knowledge Center	C/T&M	ITEL, Ft Monmouth, NJ	1198								1198	
Development Support	C/T&M	ITEL, Ft Monmouth, NJ	2640							Cont.	2640	
Development Support	C/T&M	Northrop Grumman (SEC SSES), Ft Monmouth, NJ	2579							Cont.	2579	
Technical Support	C/CPFF	TFE, Fort Monmouth, NJ	95							Cont.	95	

ARMY RDT&E COST ANALYSIS (R3)

May 2009

BUDGET ACTIVITY 5 - System Development and Demonstration			PE NUMBER AND TITLE 0604805A - Command, Control, Communications Systems - Eng Dev							PROJECT 485	
Technical Support	C/CPFF	Marconi, Fort Monmouth, NJ	183								183
Equipment	In House	USACECOM, NJ	485							Cont.	Cont.
Equipment (Development Support)	C/FFP	GTE, Tauton, MA	106								106
Telecommunications	MIPR	USASC, Fort Huachuca, AZ	1145							Cont.	1145
Subtotal:			22374							Cont.	Cont.

Remarks: *Contracts/awards cited are 5 year (1 base + 4 option years). Future award dates imply future competitive award, contractor TBD.

III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:												

IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:												

Project Total Cost:	50577	4612		4745		9809		Cont.	Cont.	
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Schedule Detail (R4a Exhibit)

May 2009

BUDGET ACTIVITY: **5 - System Development and Demonstration**
 PE NUMBER AND TITLE: **0604805A - Command, Control, Communications Systems - Eng Dev**
 PROJECT: **485**

<u>Schedule Detail</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>
Knowledge Center Development								
Army Enterprise Architecture Policy Development								
Develop Comfiguration Management Processes								
Engineer Warfighter C4/IT Standards	1Q - 4Q	1Q - 4Q	1Q - 4Q	1Q - 4Q				
Evaluate, experiment, and provide systems integration for testing of ACTD, ATD,								
Experiment/Evaluate Joint Interoperability in conjunction with CIPO initiatives								
Conduct Joint/Coalition Experiments								
Evaluate, certify systems for and support SDD								
Evaluate, certify systems for and support FDC								
DOTE/JDEP Initial Concept/Evaluation/Experiments								
Develop and maintain Combat Net Radio (CNR) Standard								
Develop and maintain Variable Message Format (VMF) application header standards								
Develop and maintain Variable Message Format (VMF) Standards & standard databas								
Configuration Management and control of TADIL(A,B,J) and USMTF standards								
Represent Army on Army/DOD forums								
Test and promulgate Defense Collaborative Tools Set within the Army								

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BUDGET ACTIVITY 5 - System Development and Demonstration	PE NUMBER AND TITLE 0604805A - Command, Control, Communications Systems - Eng Dev			PROJECT 589	
COST (In Thousands)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	Cost to Complete	Total Cost
589 ARMY SYS ENGINEERING & WARFIGHTING TECH SUP	4576	5017	79186	Continuing	Continuing

A. Mission Description and Budget Item Justification: This project has been re-aligned to better support the mission of Army Chief of Staff (CSA) sanctioned Army Architecture Integration Center (AAIC) for developing, implementing and maintaining the Army Enterprise Architecture for Information Technology based Command, Control, Computers & Communications (C4/IT) systems. AAIC mission is to develop standards-based architecture products that are inter-operable within the Army as well as the with Joint, Interagency, and Multinational systems.

This project funded the Army Systems Engineering Office (ASEO) by providing technical research and development and modeling and simulation with the primary mission of developing technical architecture standards without compromising DoD-mandated standards but ensuring Army C4/IT systems under development are interoperable with legacy systems still utilized by the Army warfighter, which extend from tactical levels up through operational and strategic components of the Army Battle Command Architecture (ABCA), as well as, the institutional portions of the Enterprise to include the Army's Business Enterprise Architecture (BEA). The ASEO supports the Army CIO/G6 Architecture Integration Center (AAIC) in establishing an integrated AEA framework that complements, and is a natural extension of, the GIG-Enterprise Services (GIG-ES). In addition, the ASEO is an essential contributor in the development of the JBMC2 integrated architecture, the Battle Command Architecture, and emerging Cross-Service Integrated Architecture efforts. Each of these architecture definition and integration efforts is elemental to achieving the Army's goal of a NetCentric Future Force.

Previously, the Joint Technical Architecture (JTA) and JTA-Army (JTA-A) have provided the foundation for designing, building, fielding and supporting Joint interoperable Army systems in an expedient and cost-effective manner. With the revision to the standardization process as implemented by the Defense Information Systems Agency (DISA), technical architecture standards are encompassed in the new Defense Information Systems Repository (DISR) program. The Army must participate in DISR to ensure Army requirements are adequately captured and reflected in any new baseline developed by DISA. The ASEO identifies emerging standards in support of the integration of new technologies into existing Army systems and Advanced Technology Demonstrations/Advanced Concept Technology Demonstrations (ATD/ACTDs), enabling the Army transformation to the Future Force. The ASEO's work efforts in the development and maintenance of Army IT standards within the context of DISR guidelines are critical path elements to achieve transformation, increase joint interoperability and to provide the future Army with the ability to fight and win on tomorrow's battlefields. However, the Technical Architecture (TA) alone only provides the foundation for interoperability. Integrated Army Enterprise Architectures (e.g., ABCA, BEA, etc.) fuse Operational, Systems and Technical views of the Army Enterprise into cohesive and manageable information sets that allow the Army to make consequent decisions regarding the Army's inventory of present and future systems and their associated funding. In this area the ASEO specializes in defining and exploiting (through analysis) the relationships between architectural views to provide quantitative answers to complex questions regarding the Army's future capabilities and the roadmap the Army will pursue in realizing them.

The allocated resources fund two support efforts for CIO/G6. First, subsequent to the development of the AKEA (Army Knowledge Enterprise Architecture) Guidance Document, V1.1, the effort has shifted to development of the Army Technical Reference Model (TRM) for information broker/mediation services, and mapping the Army's architecture requirements to DOD Net-Centric Operations and Warfare Reference Model, including NCES (Net-Centric Enterprise Services). Second, support of the design, development, deployment and maintenance of the AAIC (Army Architecture Integration Cell) Web-based Knowledge Center continues with increased development requirements and functionality, including the consolidation of architectural repositories, design of the DARS-A (Defense Architecture Repository-Army) database, and acting as the Army's agent

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for DARS/DARS-A.

Joint Battle Command - Platforms (JBC-P), which includes Blue Force Tracking (BFT) and Army Aviation, provides true Joint force Command and Control (C2) Situational Awareness (SA) and communications (e.g., terrestrial, celestial) capability at the platform level through command center locations (e.g., Network Operations Centers (NOC), TOCs, Brigade Command Posts) and enables mission accomplishment across the entire spectrum of military operations. JBC-P serves as the cornerstone for Joint Blue Force Situational Awareness (JBFSAs). It provides continuous near-real-time identification of friendly locations to populate the Joint Common Operating Picture (JCOP). JBC-P enhances Joint Combat Identification to increase combat effectiveness and reduce fratricide in a secure environment. It enables Joint, Net-Centric C2/Battle Command by seamlessly passing/sharing relevant information vertically and horizontally, within all levels of command, regardless of Service unit hierarchy. In addition to utilizing the FBCB2/BFT system, JBC-P system hardware consists of a family of computers (e.g., handhelds, tablets, ruggedized computers, beacons, and in-dash computers), communications equipment (e.g., satellite transceivers/antennas), encryption devices (e.g., KGV-72), and ancillary equipment (e.g., Mission Data Loader, Disc Duplicator, cables, installation kits, etc.).

JBC-P RDTE Funding begins in FY10.

<u>Accomplishments/Planned Program:</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Analyze and provide Systems Engineering solutions to fill in gaps identified in C4ISR systems under development as well as fielded systems.	1077	1442	3104
Identify unique Army requirements to influence Army/DoD Architecture Technical standards under new Defense information Systems Repository developed under Defense Information Systems Agency (DISA) oversight. Prior years: Technically influence the development/implementation of Joint Technical Architecture (JTA). FY03 accomplishments: JTA Versions 5.x, 6.0 restructured and aligned with Net-Centric Philosophy and redefined scope and standards applicability. Planned activities: JTA-A version 7.0, 7.5 to include major revision of Information Security Section, to include results of Tactical Imagery Transport Study	205	176	417
Investigate information technical standards for inclusion in DISR, Defense Standards Repository. Global Information Grid (GIG) Technologies (XML, JPEG 2000, MPEG 4, IPV6)	180	181	312
Research and incorporate applicable emerging open standards-based commercial technologies to influence future force systems. Ensure that open commercial standards adopted by Future Force enabling systems are reflected in the DISR baseline. Maintain subject matter expertise on DISR, Defense Standards Repository Information Technology (IT) standards' mandates to ensure current and future force systems remain interoperable. Ensure a logical and cost-effective evolution of TA baselines while maximizing Joint interoperability.	735	732	1458
DISR Compliance Requirements -Ensure Program Managers have an executable and effective strategy for implementing the Army/DoD Technical Architecture standards.	364	350	729
Validate/Integrate Army Enterprise Technical Views to enable the Army Technical and Systems Architect (CIO/G6) to monitor, assess and control the inherent risks associated with leveraging continuously changing technologies across all Army Enterprise Functionals/PEO/Communities.	820	800	1666
Provide systems analysis for implementing IPv6 protocol across Army to ensure communications/data-sharing/data-exchange between systems. Prior Years: As a result of the decision agreed to at the 19 Dec 02 AKEA, GOSC, direction of MU17 funding was realigned to	365	365	729

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support the Protocols Investigation for the Next Generation (PING) program. The PING supported current technology agreements with various technology developers such as HP, Cisco, Microsoft and Telecordia. In addition, PING represented the ARMY CIO/G6 office at various ASD (NII)/DoD CIO meetings discussing DoD IPv6 policy and Transisition Planning, participated with JITC at DISA's Def Interop Comm Exercise 2003 (DICE 2003) demonstrating IPv6 interoperability, active member of DoD IPv6 Test Bed evaluating and testing IPv6 benefits and trade-offs, first Army lab participating with North American IPv6 Task Forces MoonV6 initiative, drafted ARmy's Phase I IPv6 Transition plan and initial transition strategy to migrate Army systems and networks to native IPv6 by FY08 in compliance with DoD policy,prepared evaluation criteria for selecting early IPv6 adopter candidates in support of the Army GIO/G6 office, hosted first Army IPv6 data call to collect systems impact information and baseline on Army IPv6 transition plan, provided IPv6 technical guidance and knowledge to the Army acquisition community.			
Define and exploit (through analysis) the relationships between architectural views to provide quantitative answers to complex questions regarding the Army's future capabilities and the roadmap the Army will pursue in realizing them.	365	365	729
Provide systems engineering solutions including technical architectures for Army systems supporting Joint Blue Force Situational Awareness (JBFSA)initiative	465	465	1042
Develop Capabilities, Product Applications, Platform Interoperability, and System Services across the JBC-P family of systems, to include the development of capabilities to meet Key Performance Parameters (KPPs) and in support of Multi-Level Security Domains for Network, Users, and Information.			37000
Perform Software/Systems Engineering in support of the development of JBC-P Capabilities, Applications, and Services, to include, but not limited to, Conducting Engineering Studies, Architecture Development (both Software and Network), System Analyses, Technical Readiness Assessments, Technical Interchange Meeting/Events, and development of Related Reports and other deliverables.			24000
Design, Develop and Procure Prototypes for Platform Dismountable Product, Standalone Dismounted Handheld Product, and Beacon Product, Embedded Encryption and Satellite Transceiver.			2000
Develop and Conduct Integration Events			2000
PM FBCB2 Program Management			4000
Small Business Innovative Research/Small Business Technology Transfer Programs		141	
Total	4576	5017	79186

B. Other Program Funding Summary Not applicable for this item.

C. Acquisition Strategy The JBC-P program was Joint Requirements Oversight Council (JROC) approved in May 2008. RDTE funding for JBC-P begins in FY10.

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5 - System Development and Demonstration			0604805A - Command, Control, Communications Systems - Eng Dev							589		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Government Systems Engineering Support	In House	ASEO, DCTS, PING/03 only, Fort Monmouth, NJ	19667	1896		1953		6030		Cont.	Cont.	
Contract Support	C & T&M-R	C3ISGI, Tinton Falls, NJ	3080								3080	
Contract Support	C & FP	TRW, Domingues Hills, CA	1281								1281	
Overhead		ASEO/WTS CECOM, Fort Monmouth, NJ	1422								1422	
Contract Systems Engineering Support	C & FP	Battelle, Alexandria, VA	354								354	
System Development and Integration	MIPR	PEO C3S, PM TOCS, Fort Monmouth, NJ	25								25	
Travel	In House	SEC, USACECOM, Ft. Monmouth, NJ	95	25		25		25			195	
Development Support	C/T&M	Northrop Grummon (SEC SSES), Ft. Monmouth, NJ	200	50		50		50			400	
Contract Systems Engineering Support	C & FP	SRI, Menlo Park, CA	199								199	
Labor (Internal Government)	In House	SEC, USACECOM, Ft. Monmouth, NJ	3468	850		856		856			6886	
Equipment	In House	USACECOM, NJ	20	5		5		5			40	
Development Support	C & TM	ITEL, Mays Landing, NJ	200	50		50		50			400	
Contract Support	C & FP	Lockheed Martin, Eatontown, NJ	545								545	
Development Support - Army Enterprise Applications Architecture	C/T&M	Binary, Ft. Belvoir, VA										
Contract Support	C & T&M	SAIC, Falls Church,	1811								1811	

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		VA										
Contract Systems Engineering Support	C & FP	SRC, Atlanta, GA	612									612
Contract Systems Engineering Support	SS & FP	MITRE, Tinton Falls, NJ	8597	290		290			350			9877
Systems Engineering and Integration	MIPR	WTS - ISIO CECOM, Fort Monmouth, NJ	2341								Cont.	2341
Contract Support	C & T&M	Datron, Simi Valley, CA	305									305
Contract Systems Engineering Support	C & FP	Gemini, Billerica, MA	137									137
Development Support- Knowledge Center	C & TM	ITEL, Mays Landing, NJ	849									849
Contract Support	IPA Agreement	Rutgers University, New Brunswick, NJ	528									528
Contract Systems Engineering Support	C & FP	Suntek Systems, Eatontown, NJ	460									460
Contract Systems Engineering Support	C & FP	HTPi, Shrewsbury, NJ	145									145
Contract Support	C & TM	Telos, Eatontown, NJ	24									24
Engineering Support	MIPR	ISEC, Fort Huachuca, AZ	1357								Cont.	1357
Contract Support	C & TM	PTG/CACI, Eatontown, NJ	26									26
Contract Systems Engineering Support	C & FP	Litton, Reading, MA	490	240		240			240			1450
Contract Support	C & FP	CSC, Eatontown, NJ	1746									1746
Contract Support	C & T&M	BAE, Tinton Falls, NJ	139									139
Contract Support	C & FP	Janus Research Group, Appling GA	72									72
Contract Systems Engineering Support	C & FPI	CSC, Eatontown, NJ	17948	1090		1468			2500			25506
Contract Systems Engineering Support	C & FP	GTE/BBN, Cambridge, MA	960									960

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5 - System Development and Demonstration			0604805A - Command, Control, Communications Systems - Eng Dev							589			
Travel	In House	ASEO/WTS CECOM, Fort Monmouth, NJ	1696	80			80		80		Cont.	Cont.	
Development of software based VOIP	TBD		2400										2400
JBC-P Software Development	TBD	TBD						37000	2-4Q	Cont.	Cont.	Cont.	
JBC-P Software/Systems Engineering	TBD	TBD						24000	2-4Q	Cont.	Cont.	Cont.	
JBC-P Hardware Development	TBD	TBD						2000	2-4Q	Cont.	Cont.	Cont.	
Subtotal:			73199	4576			5017		73186		Cont.	Cont.	Cont.
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract	
JBC-P PM Office Support	In-House							1000	1-4Q	Cont.	Cont.		
JBC-P Matrix Support								1000	1-4Q	Cont.	Cont.		
JBC-P Miscellaneous Contractor Support	TBD	TBD						2000	1-4Q	Cont.	Cont.		
Subtotal:								4000		Cont.	Cont.		
III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract	
JBC-P Contractor Test Support	TBD	TBD						2000	2-4Q	Cont.	Cont.		
Subtotal:								2000		Cont.	Cont.		
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract	

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5 - System Development and Demonstration	0604805A - Command, Control, Communications Systems - Eng Dev							589		
Subtotal:										
Project Total Cost:	73199	4576		5017		79186		Cont.	Cont.	Cont.